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TITLE: A comparative study-reaction of chalcones with hydroxylamine hydrochloride in different solvents
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AB A comparative study of the reaction between chalcones and hydroxylamine hydrochloride was found to be interesting as time of reaction, yield and the nature of products are dependent not only on the substituents in chalcones but the type of the solvent used for reaction medium. The following solvents/solvent mixture were considered as reaction medium, S1 (Ethanol & sodium acetate) S2 (DMF), S3 (DMSO), S4 (DMSO-I₂), S5 (Acetic Acid) S6 (Ethanol & KOH). The products are flavanone oximes, flavone oximes or isoxazolines. Time varied from 10 min to 1 h for the maximum possible yield of a single particular compound out of three mentioned.

IT 115663-23-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 115663-23-5 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-(4-methoxyphenyl)-6-methyl-, oxime (CA INDEX NAME)

